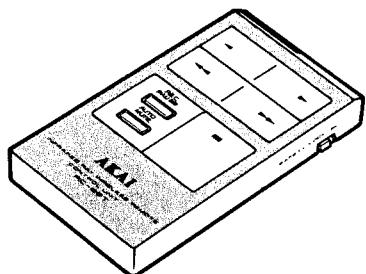
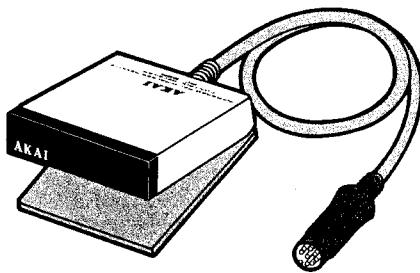


AKAI SERVICE MANUAL



TRANSMITTER RC-92T



RECEIVER RC-92R

INFRARED RAY WIRELESS REMOTE CONTROL SYSTEM

RC-92T
MODEL RC-92R

I. PRECAUTIONS

Remote Control Unit RC-92 is for use with:
Stereo Cassette Deck:
HX-3, HX-A3/X, HX-R5, GX-R6, GX-7, GX-9, HX-M5, HX-M7R, HX-R44, GX-R55, GX-R66, GX-R88, GX-R99

II. SPECIFICATIONS

TRANSMITTER RC-92T

SYSTEM	Infrared Ray PCM System
NUMBER OF CHANNEL	7
AREA OF OPERATION	7m (On axis)
DIRECTIVITY	±30° (at 4m)
OPERATION TIME	3000 times
POWER REQUIREMENT	DC3V (SUM-3, AA-3 or R6 size battery x2)
DIMENSIONS	65(W) x 19.3(H) x 120(D)mm
WEIGHT	85grams (without batteries)

RECEIVER RC-92R

REMOTE CONTROL PLUG	DIN type (8 Pins)
POWER REQUIREMENT	Power supplied from Cassette Deck
DIMENSIONS	65(W) x 22(H) x 81(D)mm
WEIGHT	107grams

* For improvement purpose, specifications and design are subject to change without notice.

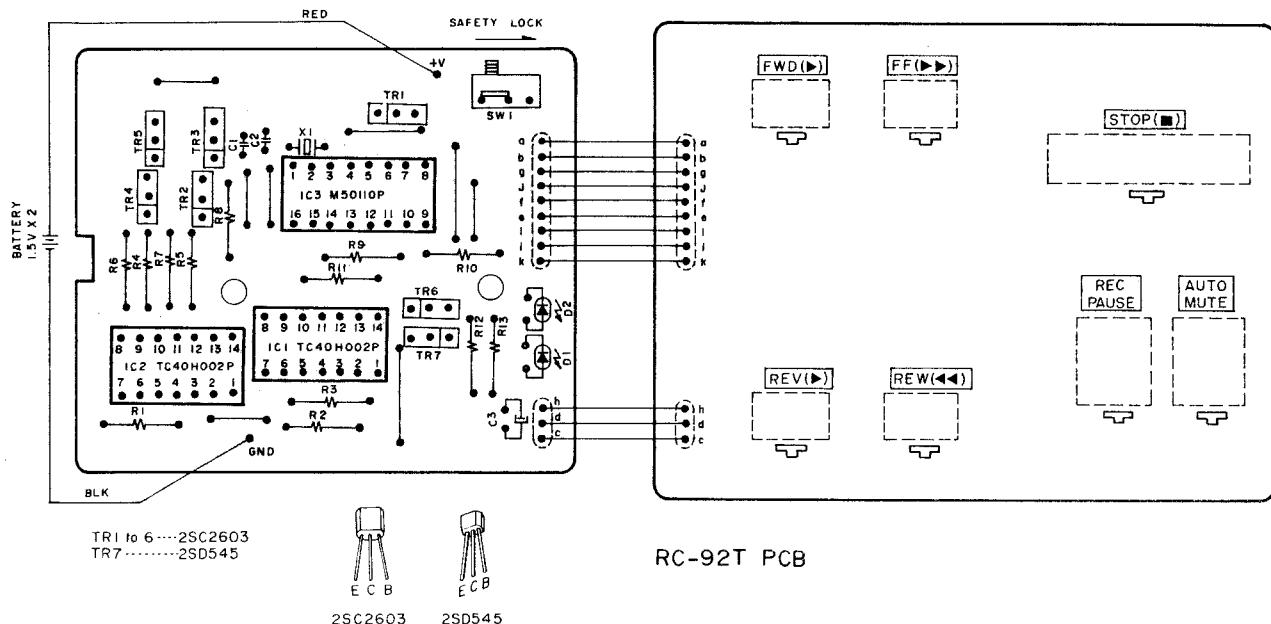
III. PARTS LIST

REMOTE CONTROL UNIT RC-92

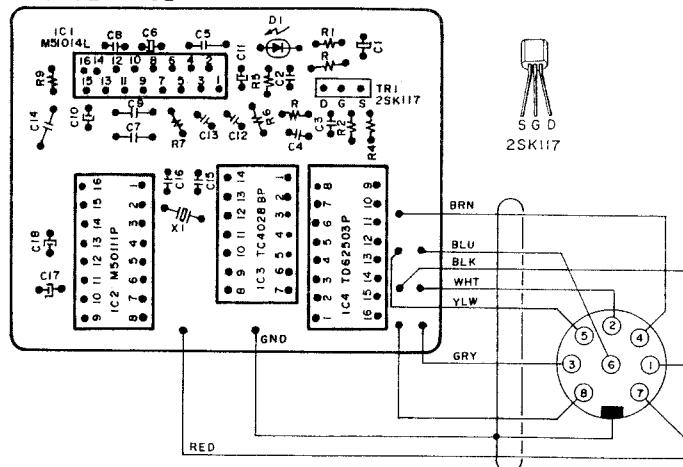
REF. NO.	PART NO.	DESCRIPTION
1. RC-92T		
1-1	AX-346272	REMOTE CONTROL TRANSMITTER RC-92T
1-IC1	EI-710031	IC TC40H002P
1-IC2	EI-710033	IC TC40H008P
1-IC3	EI-710034	IC M50110P
1-TR1 to 6	ET-308141	TR 2SC2603 G
1-TR7	ET-318603	TR 2SD545NP F
1-D1, 2	ED-714631	D LED TLN105A
1-SW1	ES-710038	SW SLIDE
1-X1	EI-749984	OSC CE KBR455BAT
1-R12, 13	ER-340201	R CB H F10 RDS 1/4W 1R0J

REF. NO.	PART NO.	DESCRIPTION
2. RC-92R		
2-1	AX-346273	REMOTE CONTROL RECEIVER RC-92R
2-IC1	EI-348897	IC M50104L
2-IC2	EI-710042	IC M50111P
2-IC3	EI-705079	IC TC4028BP
2-IC4	EI-715505	IC TD62503P
2-TR1	ET-321016	TR FET 2SK117 GR, BL
2-D1	ET-330238	PHOTO SENSOR PH302
2-X1	EI-749984	OSC CE KBR455BAT
2-2	EW-715506	DIN CORD 8P

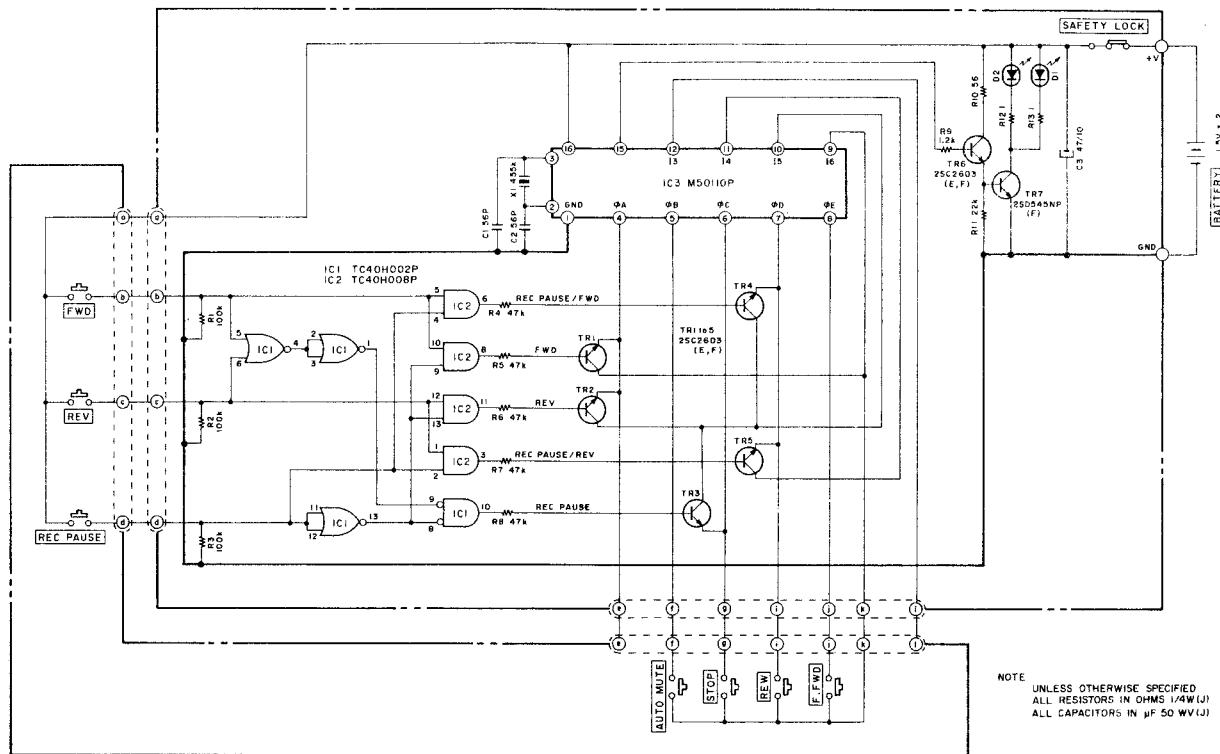
IV. COMPOSITION OF VARIOUS P.C BOARDS



RC-92T PCB

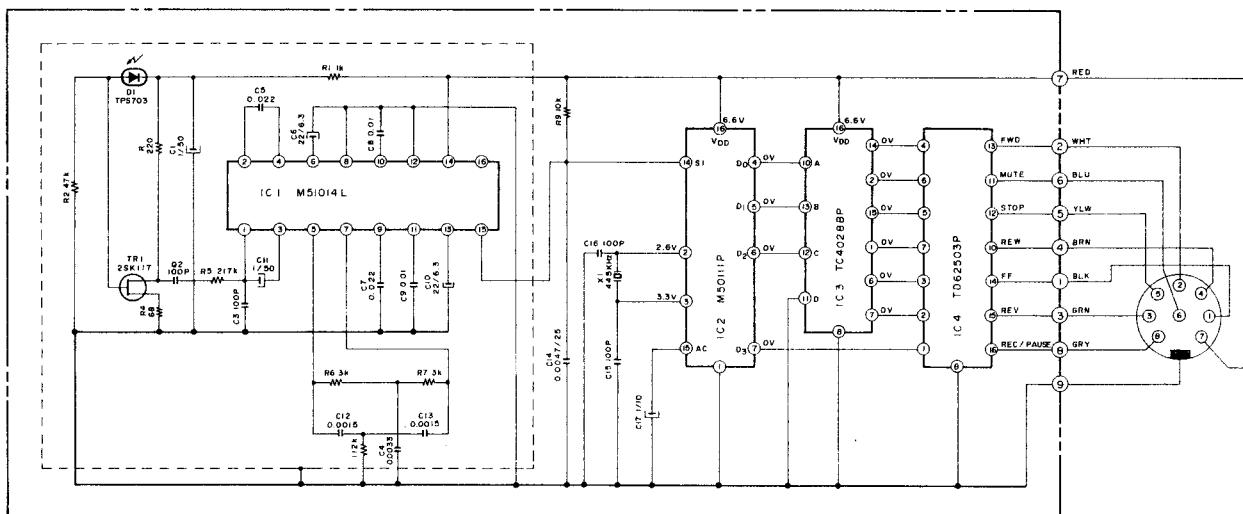


V. SCHEMATIC DIAGRAM OF ICS



ECB
2SC2603
ECB
2SD545

RC-92T
SCHEMATIC DIAGRAM
NO. 841106A_(a3)

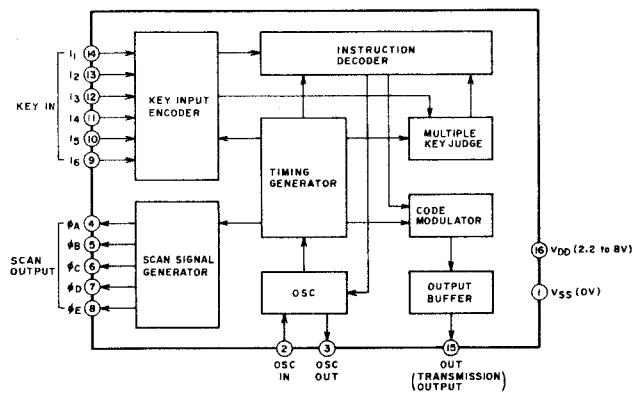


SGD
2SK117

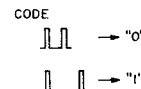
RC-92R
SCHEMATIC DIAGRAM
NO. 841105A_(a3)

VI. SCHEMATIC DIAGRAM

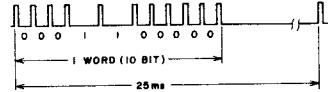
M50110P



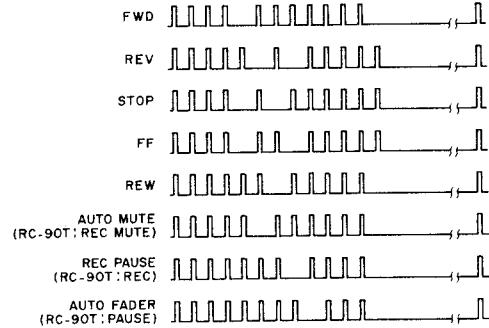
TRANSMISSION CODE (M50110P PIN ⑯)



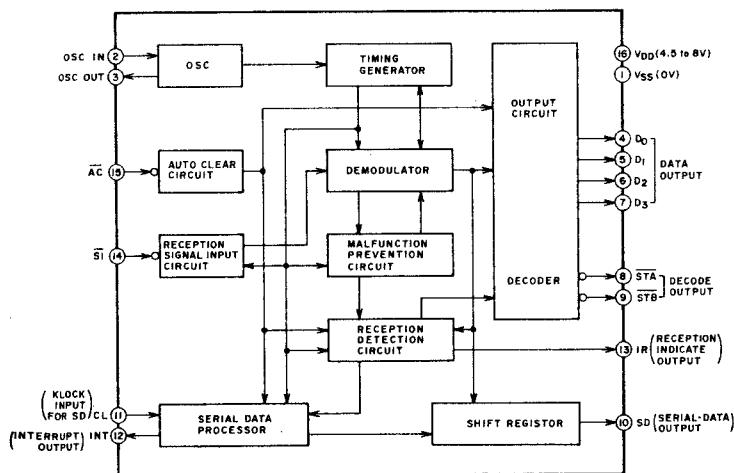
EXAMPLE



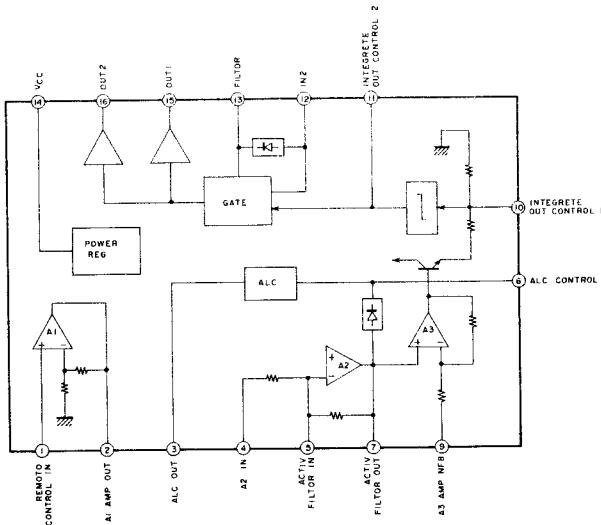
WAVE FORM OF LSI M50110P PIN ⑯ (RC-90T/RC-91T)



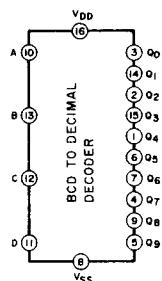
M50111P



M51014L



TC4028BP



TRUTH TABLE

INPUTS				SELECTED OUTPUT "H"
D	C	B	A	
L	L	L	L	Q0
L	L	L	H	Q1
L	L	H	L	Q2
L	L	H	H	Q3
L	H	L	L	Q4
L	H	L	H	Q5
L	H	H	L	Q6
L	H	H	H	Q7
H	*	*	L	Q8
H	*	*	H	Q9

*: DON'T CARE

TD62503P

